

Brain Natriuretic Peptide (BNP)

Item Number: BNP

Introduction

Discover BNP antibodies for accurate heart failure diagnosis & monitoring. High-quality, specific monoclonal antibodies with excellent purity & sensitivity. Ideal for FIA assays.

[Learn More](#)

Feature	Description
Product Name	Anti-h BNP
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Application	FIA (Fluorescence Immunoassay)
Form/Appearance	Liquid, may turn slightly opaque during storage
Concentration	5.0 mg/ml (+/- 10 %)
Isotype	IgG1
Clonality	Monoclonal
Epitope	C-terminal epitope in amino acid region 26-32
Purity	≥ 95 %
Buffer	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN3 as a preservative
IEF Profile	6.1-6.6
Cross Reactivity	Does not recognize ANP or CNP
Specificity	Antibody recognizes human B-type natriuretic peptide

Condition	Description
Storage	+2-8°C
Shipping	Cold packs
Shelf Life	Unspecified, stability test at 4~30°C, sealed in aluminum foil bags, products within 1 month of the expiration date should meet the requirements of items 2.1~2.7.

Indicator	Requirement
Appearance	Product packaging box and aluminum foil packaging bag should be intact and undamaged.
Test Strip Width	The width of the test strip should not exceed ± 0.20 mm of the nominal value, which is 4.00mm.
Migration Rate	Liquid migration rate should be no less than 8.0mm/min.
Limit of Detection (LoD)	LoD concentration should be no higher than 100 pg/mL.
Linearity Range	Within the range of 100 pg/mL ~ 20000 pg/mL, the linear correlation coefficient $r \geq 0.990$.
Accuracy	The relative deviation between the average detected value and the target value of BIORAD standard control material should be no greater than 20%.
Repeatability	Kit repeatability should be no greater than 10%.
Batch-to-Batch Precision	Kit batch-to-batch difference should be no greater than 15%.